

DOCKET NO.: 4940

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE MATTER OF THE APPLICATION FOR PATENT

OF: Hitoshi SUMIYA et al.

SERIAL NO.: to be assigned - new

FILED: March 17, 2006

FOR: DIAMOND TOOL, SYNTHETIC SINGLE CRYSTAL DIAMOND AND METHOD
OF SYNTHESIZING SINGLE CRYSTAL DIAMOND, AND DIAMOND JEWELRY

PCT International Application: PCT/JP2004/014910

PCT International Filing Date: October 8, 2004

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

March 17, 2006

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

- 1) Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98 applicants enclose a Form PTO-1449, copies of references AH to AJ, AL, AN to AS and AX cited thereon, English Abstracts as indicated on Form PTO-1449, and a copy of the International Search Report issued on January 18, 2005 in the corresponding PCT International Application. Copies of references AF, AG, AK, AM and AT to AW are not (and need not be) enclosed, because they have been transmitted to the USPTO by the International Searching Authority in the International processing of this PCT application.

- 2) This Information Disclosure Statement is being filed simultaneously with the above identified new patent application.
- 3) References AA to AG and AX are in English. Reference AH corresponds to AA, AJ corresponds to AB, AL corresponds to AC, AM+AN+AO correspond to AE, and AT corresponds to AD, from which the relevance can be determined in English. References AH to AW are accompanied by English Abstracts. References AH, AJ, AL, AN to AT and AX have been discussed at pages 2 to 4 and 6 of the present specification. Therefore no further discussion of the references is necessary.
- 4) Moreover, the enclosed Search Report indicates the degree of relevance of references AF, AG, AK, AM and AT to AW by category ("X" means relevant to anticipation or obviousness when considered alone; "Y" means relevant to obviousness when combined with another reference; and "A" means technological background). Thereby a concise explanation of the relevance has been provided (see MPEP §609).
- 5) The Examiner is requested to consider all references of record, return an initialed copy of the enclosed Form PTO-1449 and ensure that all references of record are printed on any patent issuing from this application.


10/572700

1AP20 Rec'd of PTO 17 MAR 2006

- 6) Favorable consideration and allowance of claims 1 to 36 are respectfully requested.

Respectfully submitted,
Hitoshi SUMIYA et al. - Applicant

WFF:ks/4940
Enclosures:
postcard,
Form PTO-1449,
11 references,
16 English abstracts,
copy of Intern. Search Report

By 
Walter F. Fasse
Patent Attorney
Reg. No.: 36132
Tel. No.: 207-862-4671
Fax. No.: 207-862-4681
P.O. Box 726
Hampden, ME 04444-0726

1AP20 Rec'd PCT/PTO 17 MAR 2006

Sheet 1 of 2 IDS LIST OF REFERENCES CITED BY APPLICANT (FORM PTO-1449) DATED: <u>March 17, 2006</u>				Atty. Docket No.: 4940		<div style="border: 1px solid black; padding: 2px; display: inline-block;"> 10 </div> Serial No.: 18 to be assigned	
				Applicant: Hitoshi SUMIYA et al.			
				U.S. Filing Date: March 17, 2006		Art Unit:	
U. S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	Cl.	Sub- Cl.	Fil. Date
	AA	4,617,181	10/1986	Yazu et al.	-	-	-
	AB	5,078,551	01/1992	Oomen	-	-	-
	AC	5,133,332	07/1992	Tanaka et al.	-	-	-
	AD	6,030,595	02/2000	Sumiya et al.	-	-	-
	AE	6,129,900	10/2000	Satoh et al.	-	-	-
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	Cl.	Sub- Cl.	English
	AF	0 647 590	04/1995	Europe	-	-	yes
	AG	0 894 766	02/1999	Europe	-	-	yes
	AH	60-012747	01/1985	Japan	-	-	Abstract, = AA
	AI	02-198704	08/1990	Japan	-	-	Abstract
	AJ	03-131407	06/1991	Japan	-	-	Abstract, = AB
	AK	03-217226	09/1991	Japan	-	-	Abstract
	AL	03-228504	10/1991	Japan	-	-	Abstract, = AC
	AM	05-058786	03/1993	Japan	-	-	Abstract, = AE
OTHER DOCUMENTS							
EXAMINER'S SIGNATURE				DATE CONSIDERED			
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

USPS EXPRESS MAIL
 ED 636 851 893 US
 MAR 17 2006

10/1572700

Sheet 2 of 2 IDS LIST OF REFERENCES CITED BY APPLICANT (FORM PTO-1449) DATED: <u>March 17, 2006</u>				Atty. Docket No.: 4940		Serial No.: to be assigned	
Applicant: Hitoshi SUMIYA et al.							
U.S. Filing Date: March 17, 2006						Art Unit:	
U. S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	Cl.	Sub- Cl.	Fil. Date
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	Cl.	Sub- Cl.	English
	AN	05-137999	06/1993	Japan	-	-	Abstract, = AE
	AO	05-137999	06/1993	Japan	-	-	Abstract, = AE
	AP	05-200271	08/1993	Japan	-	-	Abstract
	AQ	05-329356	12/1993	Japan	-	-	Abstract
	AR	06-182182	07/1994	Japan	-	-	Abstract
	AS	06-182184	07/1994	Japan	-	-	Abstract
	AT	07-116494	05/1995	Japan	-	-	Abstract, = AD
	AU	11-100297	04/1999	Japan	-	-	Abstract
	AV	11-300194	11/1999	Japan	-	-	Abstract
	AW	2003-137686	05/2003	Japan	-	-	Abstract
OTHER DOCUMENTS							
	AX	H. Sumiya, S. Satoh, "High-Pressure Synthesis of High-Purity Diamond Crystal", Diamond and Related Materials 5 Elsevier Science S.A., 1996 pp. 1359-1365					
EXAMINER'S SIGNATURE				DATE CONSIDERED			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

USPS EXPRESS MAIL
 ED. 636 851 893 US
 MAR 17 2006